

# GFDL CM2.x series of models exploring increasing resolution

2005 ----- 2010 ----- 2015 ----- 2020

## CM2.1

200 Km atm

100 Km ocn

**MOM 4 (early)**

*IPCC AR4/AR5 Model*

*Current NMME contributor*

## CM2.5

50 Km atm

8-27 Km ocean ( $0.25^{\circ}$ )

**MOM 4/5**

*Ensembles of multi-century simulations completed*

*Planned future NMME contributor*

## CM2.6

50 Km atm

3-11 Km ocean ( $0.1^{\circ}$ )

**MOM 4/5**

*Century-scale simulations in progress*

*Role of ocean mesoscale eddies in climate*

## CM2.7

25 Km atm

8-27 Km ocean ( $0.25^{\circ}$ )

**MOM 4/5**

*Final stages of development*

*Regional climate and extremes*

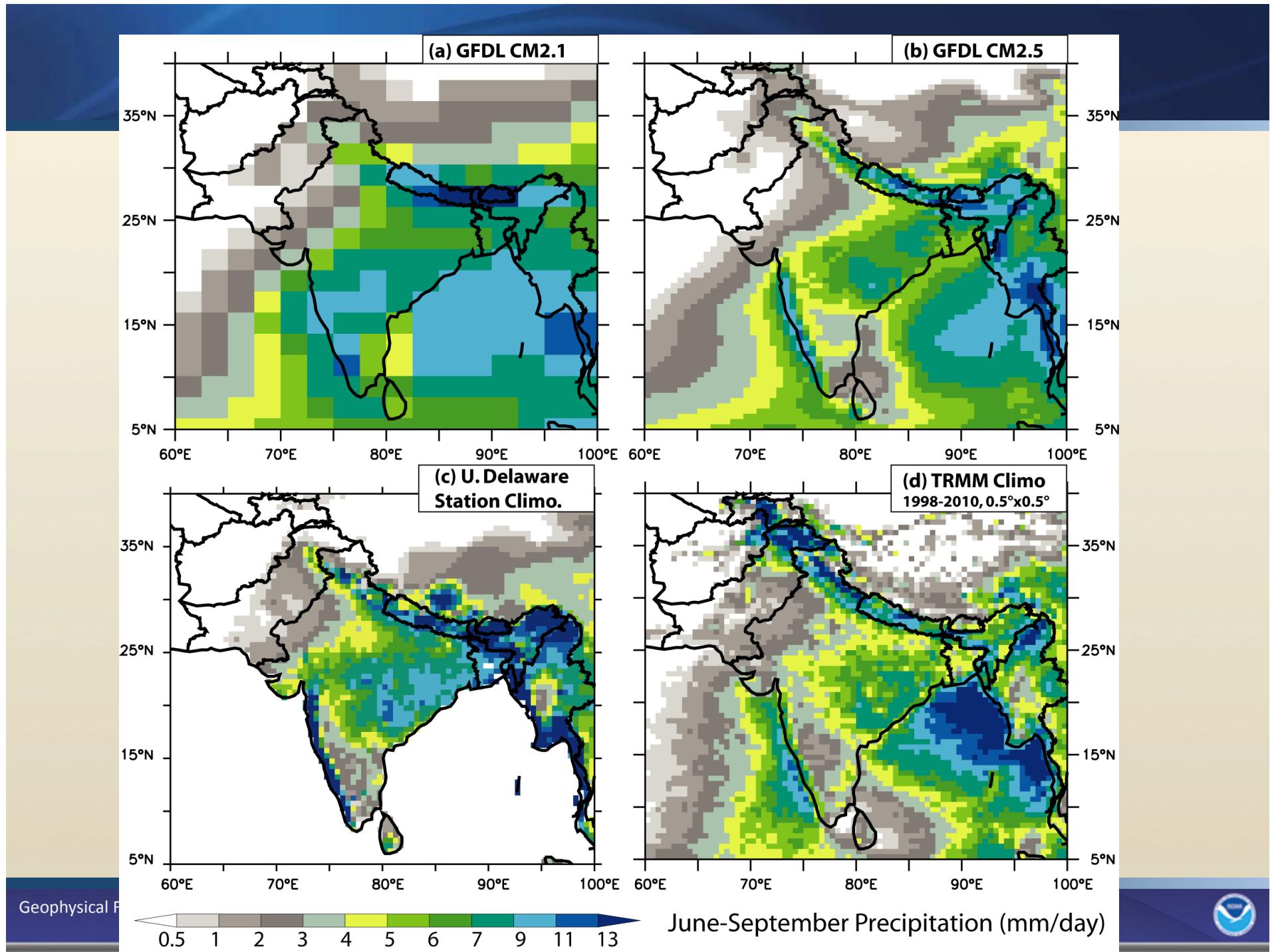
## CM4

*Configuration not yet determined*

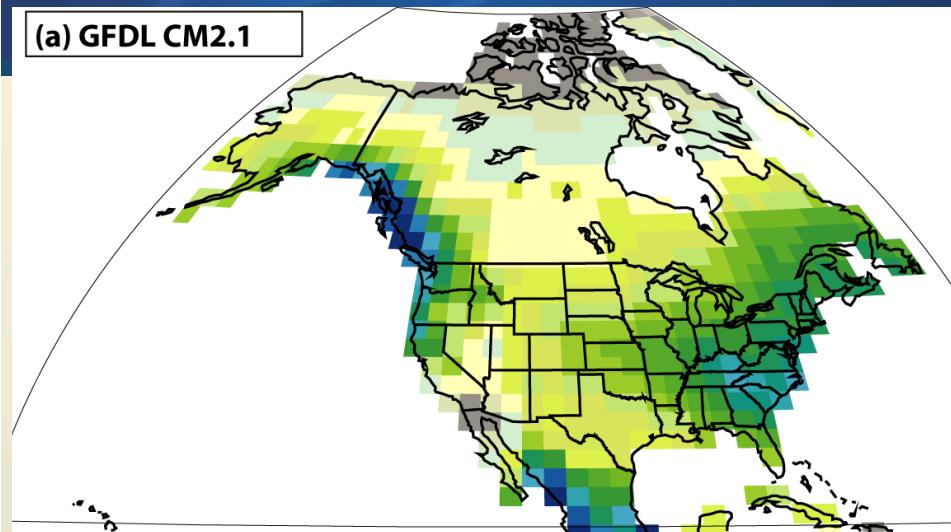
**MOM 6**

*Future GFDL Climate Model*

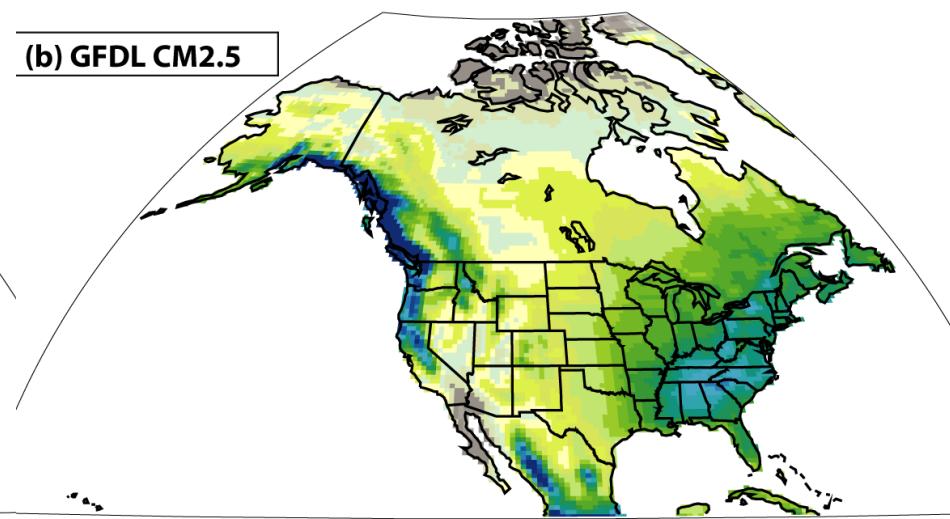




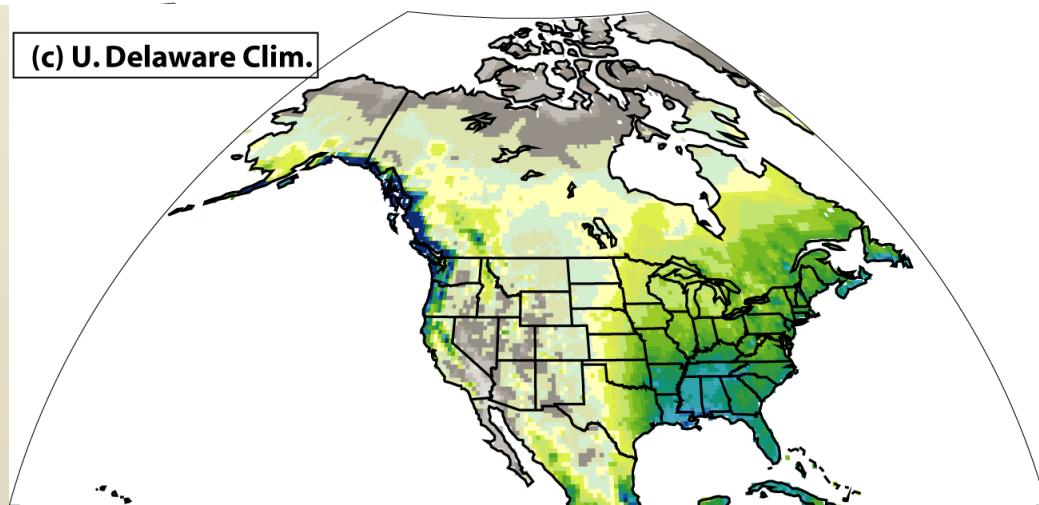
(a) GFDL CM2.1



(b) GFDL CM2.5



(c) U. Delaware Clim.



Annual Average Precipitation (mm/day)

# Eddy Kinetic Energy

